

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
12 September 2003 (12.09.2003)

PCT

(10) International Publication Number
WO 2003/075372 A3

(51) International Patent Classification⁷: **C25D 13/02**

(21) International Application Number:
PCT/US2002/037184

(22) International Filing Date:
20 November 2002 (20.11.2002)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
09/996,695 30 November 2001 (30.11.2001) US

(71) Applicants (*for all designated States except US*): **THE UNIVERSITY OF NORTH CAROLINA** [US/US]; 308 Bynum Hall, Chapel Hill, NC 27599 (US). **APPLIED NANOTECHNOLOGIES, INC.** [US/US]; 308 West Rosemary Street, Suite 201, Chapel Hill, NC 27514 (US).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **ZHOU, Otto, Z.** [US/US]; 204 Glenhill Lane, Chapel Hill, NC 27514 (US).

GAO, Bo [CN/US]; 605 Jones Ferry Road, Apt. MM-3, Carrboro, NC 27510 (US). **YUE, Guozhen** [CN/US]; 404 Jones Ferry Road, Apt. A13, Carrboro, NC 27510 (US). **OH, Soojin** [KR/US]; 605 Jones Ferry Road, Apt. MM-3, Carroboro, NC 27510 (US).

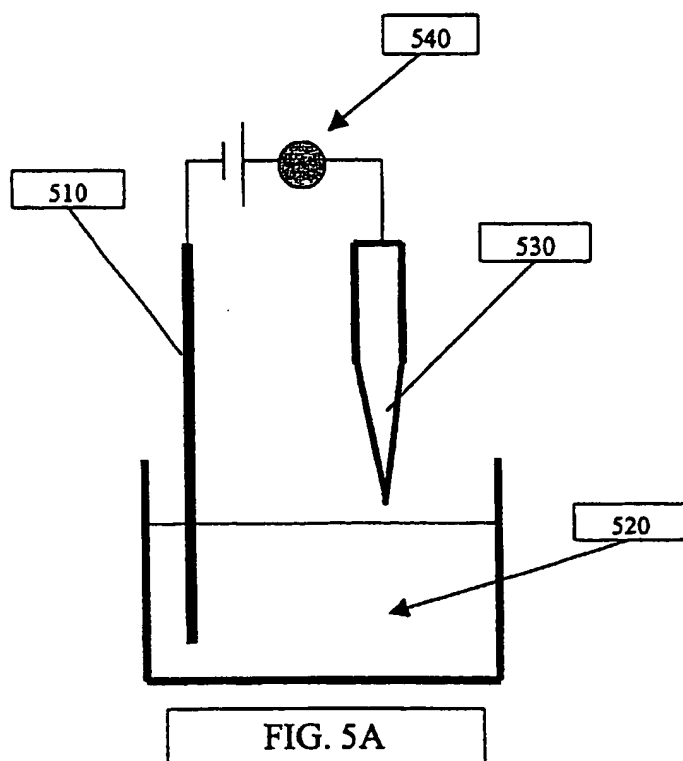
(74) Agents: **GRUDZIECKI, Ronald, L.** et al.; Burns, Doane, Swecker & Mathis, LLP, P.O. Box 1404, Alexandria, VA 22313-1404 (US).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),

[Continued on next page]

(54) Title: DEPOSITION METHOD FOR NANOSTRUCTURE MATERIALS



(57) Abstract: A method for depositing a coating of a nanostructure material onto a substrate includes : 1) forming a solution or suspension (520) of containing the nanostructure material; 2) selectively adding "charger" to the solution (520); 3) immersing electrodes (510, 530) in the solution (520), the substrate upon which the nanostructure material is to be deposited acting as one of the electrodes; 4) applying a direct and/or alternating current electrical field between the two electrodes (510, 530) for a certain period of time thereby causing the nanostructure materials in the solution (520) to migrate toward and attach themselves to the substrate electrode (530); and 5) subsequently optional processing of the coated substrate.

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European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)
- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK,

MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for all designations
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for all designations

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:

19 August 2004

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US02/37184

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C25D 13/02

US CL : 204/485, 490, 491; 423/445B

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 204/485, 490, 491; 423/445B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
WEST

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X — Y	AFFOUNE et al. "Electrophoretic Deposition of Nanosized Diamond Particles", Langmuir 2001, 17, pp. 547-551.	1-8, 12, 13, 16, 18 and 22-24 9-11, 14, 15, 17, 19-21, 25-73
X — Y	US 6,258,237 A (GAL-OR et al. 10 July 2001, see Examples and col. 10, lines 61-62.	1-8, 12, 13, 16, 22, 24, 28 and 29
Y	US 5,296,117 A (DE JAEGER et al.) 22 March 1994, paragraph crossing cols. 10 and 11.	15, 19-21 and 25-27 25-27

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☐ See patent family annex.

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"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

24 May 2004 (24.05.2004)

Date of mailing of the international search report

21 JUN 2004

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Facsimile No. (703) 305-3230

Authorized officer

Kishor Mayekar

Telephone No. (571) 272-1300